

Notice of Allowability

Application No.

09/954,515

Examiner

Sow-Fun Hon

Applicant(s)

CHOI ET AL.

Art Unit

1772

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 4/12/07.
2. ☒ The allowed claim(s) is/are 18-20,22-24,26-29 and 31-40.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 7/10/07.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other See Continuation Sheet.

Continuation of Attachment(s) 9. Other: The drawings filed 09/17/01 are accepted by the examiner.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James Fajkowski on July 10, 2007.

The application has been amended as follows:

2. Specification: Page 1, Insert as line 1: - - This application is a division of application serial number 09/009,391, filed January 20th, 1998, now US Patent 6,379,509. - -
3. Claim 28: Line 2: after "the", replace "substrate" with - - synthetic resin - -.
4. Claim 29: Line 13: after "to the", replace "substrate" with - - hard coating - -.

Reasons For Allowance

5. The following is an examiner's statement of reasons for allowance.

The closest cited prior art of record, US 5,667,853 fails to fairly teach or suggest, even in view of US 5,508,091, US 4,234,654, US 5,520,952, US 5,750,267 and ITO, Tin-Doped Indium Oxide for Optical Coating by CERAC Technical Publications, the combination of a substantially transparent electrode assembly comprising: a substrate comprising a synthetic resin; a high index layer formed on the substrate; a conductive layer formed on and disposed adjacent to the high index layer; a high index top layer having a conductivity ranging from about 100 ohms/square to about 400 ohms/square and a thickness of from about 20 nm to about 100 nm formed on the conductive layer; at least the top layer and the conductive layer being patterned so as to divide the conductive layer into a plurality of discrete electrodes; and a layer of silica disposed on the substrate or hard coating adjacent to the substrate, the layer of silica in substantially continuous contact with the substrate or hard coating adjacent to the substrate, and promotes adhesion of the high index layer to the substrate or hard coating adjacent to the substrate.

None of the references teach the order of compositional layers wherein a layer of silica is substantially in continuous contact with a substrate that comprises a synthetic resin, or a hard coating adjacent to the substrate that comprises a synthetic resin, and promotes adhesion of the substrate or the hard coating adjacent to the substrate, to a high index layer, in a substantially transparent electrode assembly. See Applicant's arguments in the remarks section dated 04/12/07.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Sow-Fun Hon whose telephone number is (571)272-1492. The examiner can normally be reached Monday to Friday from 10:00 AM to 6:00 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye, can be reached at (571)272-3186. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S. Hon

Sow-Fun Hon

07/10/07


RENA DYE
SUPERVISORY PATENT EXAMINER
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